

MATERIAL SAFETY DATA SHEET

REC'D NOV 19 1987
DPM 432-Sur.

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917) SEPTEMBER 1980

SECTION I

MANUFACTURER'S NAME KOPPERS CO., INC.		EMERGENCY TELEPHONE NO. 412-227-2000
ADDRESS (Number, Street, City, State, and ZIP Code) Pittsburgh, PA 15219		
CHEMICAL NAME AND SYNONYMS Alkyd/Nitrocellulose	TRADE NAME AND SYNONYMS Lacquer, Camouflage	
CHEMICAL FAMILY Modified Alkyd	FORMULA L496A-66, TT-L-20A, 37038 Black	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
SOLVENTS: Amsco 6645		200PPM	BASE METAL		
N Butanol		50PPM	ALLOYS		
Xylene		100PPM	METALLIC COATINGS		
Methyl Isobutyl Ketone		100PPM	FILLER METAL		
Methyl Ethyl Ketone		200PPM	PLUS COATING OR CORE FLUX		
Ethyl Acetate		400PPM	OTHERS		
Isopropyl Alcohol		400PPM			
Ethyl Alcohol		1000PPM			
V M & P		300PPM			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

			Wt/Gal
BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	8.5 lbs
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	76.4
VAPOR DENSITY (AIR=1)	Heavier	EVAPORATION RATE (N But Acet =1)	Faster
SOLUBILITY IN WATER	Negligable		
APPEARANCE AND ODOR Black viscous solution with paint odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 26 F TOC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Foam, dry chemical, water spray fog or CO₂.			
SPECIAL FIRE FIGHTING PROCEDURES Use air supplied equipment for enclosed areas. Cool exposed containers with water.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks and flame.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 50 PPM from solvent vapor

EFFECTS OF OVEREXPOSURE Systemic toxic effects may also result from skin absorption. Irritation to eyes, nose and throat near or above 50 ppm from vapors. Higher concentrations cause drowsiness, dizziness, followed by coma. Dangerously high concentrations could cause death from explosion or from breathing.

EMERGENCY AND FIRST AID PROCEDURES

If inhaled remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Call a physician. In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and contact a physician. Wash contaminated clothing before reuse. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition (flame, electrical, static or frictional sparks; hot surfaces, etc.). Avoid breathing vapors. Ventilate area. Contain and scoop up spill with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or on residuals of large spills.

WASTE DISPOSAL METHOD

Dispose of in accordance with local applicable regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Organic vapor canister where oxygen content is adequate and vapor concentration is less than 2% or use air supplied face masks.

VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)	X	
			OTHER

PROTECTIVE GLOVES

Rubber Gloves

EYE PROTECTION

Goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed and upright to prevent leakage. Avoid flames, welding, smoking, sparks, open lights, etc. Avoid breathing of vapor or spray mist. Avoid eye and skin contact.

OTHER PRECAUTIONS

Maintain good personal hygiene. Do not use in confined areas, tank or pit without adequate ventilation.